

Special Issue "Maritime Environment Monitoring"

- [Special Issue Editors](#)
- [Special Issue Information](#)
- [Keywords](#)
- [Published Papers](#)

[Share This Special Issue](#)

A special issue of *Journal of Marine Science and Engineering* (ISSN 2077-1312).

[Special Issue Editors](#)

Deadline for manuscript submissions: **closed (4 December 2017)**

Guest Editor

Dr. Gabriele Pieri

Signals and Images Laboratory, Institute of Information Science and Technologies,
National Research Council of Italy

[Website](#) | [E-Mail](#)

Interests: Internet and communication protocols; decision support systems; information systems; industrial diagnostics and imaging; surveillance automatic systems; real-time process control; sea technologies and applications

Guest Editor

Dr. Ovidio Salvetti

Signals and Images Laboratory, Institute of Information Science and Technologies,
National Research Council of Italy

[Website](#) | [E-Mail](#)

Interests: image analysis and understanding; multimedia information systems; spatial modelling and intelligent processes in computer vision and information technology; sea technologies and applications

Special Issue Information

Dear Colleagues,

Protection and monitoring of maritime environments have become increasingly important due to several different factors. The reasons behind this increase are very heterogeneous and range from the high demand of oil-based products, leading to a growth of maritime traffic, to the increased amount of garbage produced by society, which endangers both protected and regular coastal and marine areas, and, furthermore, with the fast and great rise of migration flows arriving to Western countries. All these factors, combined with the augmented computational and storage capability of technological systems, and with an increased availability of data regarding the marine and maritime environment, has made it possible to have a range of varieties of information systems for the study, monitoring, and proactive support to decision makers. In general, these information systems respond to the needs in the development of intelligent systems dealing with the management of maritime spatial data, for applications related to either scientific research, safety, or maritime industry.

This Special Issue aims to cover these various and heterogeneous aspects, related to maritime environment monitoring, bringing together researchers in their respective fields to share their experiences.

The main subjects covered by this Special Issue can be summarized by the following five topics:

- Research and applications on maritime systems for the support of decision makers;
- Research on sensors and marine data acquisition and management;
- Research on the smart management and integration of real-time maritime heterogeneous data;
- Research and applications on smart interfaces for the management of real-time maritime information systems
- Research and applications for the support of maritime industry and related organizations.

Dr. Gabriele Pieri
Dr. Ovidio Salvetti
Guest Editors

Manuscript Submission Information

Manuscripts should be submitted online at www.mdpi.com by registering and logging in to this website. Once you are registered, [click here to go to the submission form](#). Manuscripts can be submitted until the deadline. All papers will be peer-reviewed. Accepted papers will be published continuously in the journal (as soon as accepted) and will be listed together on the special issue website. Research articles, review articles as well as short communications are invited. For planned papers, a title and short abstract (about 100 words) can be sent to the Editorial Office for announcement on this website.

Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere (except conference proceedings papers). All manuscripts are thoroughly refereed through a single-blind peer-review process. A guide for authors and other relevant information for submission of manuscripts is available on the [Instructions for Authors](#) page. *Journal of Marine Science and Engineering* is an international peer-reviewed open access quarterly journal published by MDPI.

Please visit the [Instructions for Authors](#) page before submitting a manuscript. The Article Processing Charge (APC) for publication in this open access journal is 350 CHF (Swiss Francs). Submitted papers should be well formatted and use good English. Authors may use MDPI's English editing service prior to publication or during author revisions.

Keywords

- Decision support systems
- Information systems interfaces
- Real-time data management
- Marine/Maritime sensors data acquisition
- Heterogeneous data integration
- Maritime data technology and applications
- Marine/Maritime data forecasting
- Event detection
- Pro-active maritime information systems